FAIRFAX COUNTY
GIS & Mapping Services
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Fairfax, Virginia 22035
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http://www.fairfaxcounty.gov/maps/

Countywide Property & Topography Data Set

What's included?

The data set includes over 40 layers of attributed vector data for Fairfax County. Data are extracted monthly from the SDE database.

SDE Source	Layer	Type	Description
GISMGR.REFERENCE\GISMGR.ADDRESS_GRID	ADDRESS_GRID	Polygon	Graticule of address ranges, broken down by 100 blocks.
GISMGR.ADDRESSES	ADDRESSES	Point	Address points, with attributes that include full address and parcel ID number.
GISMGR.PARCELS\GISMGR.BLOCKS	BLOCKS	Polygon	Depicts subdivided land areas within subdivision defined by recorded documents (plats) for the county.
GISMGR.BUILDING_ADDITIONS	BUILDING_ADDITIONS	Polygon	Building additions (deck, pool, etc.), captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads and 2007 was used for the process in SE quad.
GISMGR.PLANIMETRIC\GISMGR.BUILDINGS	BUILDINGS	Polygon	Building footprints, with attributes that include type (single family, commercial, etc.) and base and top elevation. Data are captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads, 2007 in SE quad and 1997 in the SW quad.
GISMGR.PARCELS\GISMGR.CARTOGRAPHIC_LINES	CARTOGRAPHIC_LINES	Line	Multipart (containing non-contiguous portions) parcel connectors.
GISMGR.PARCELS\GISMGR.COMMON_AREAS	COMMON_AREAS	Polygon	Land under common ownership, typically within condominium properties, that lacks parcel identification numbers.
GISMGR.PLANIMETRIC\GISMGR.COMMUNITY_POOLS	COMMUNITY_POOLS	Polygon	Visible pools that belong to a community but not to individual properties, as captured from orthophotography or site plans. The attributes include the specific source, and the name of the pool, if known.
GISMGR.TOPOGRAPHIC\GISMGR.CONTOURS	CONTOURS	Line	Contours at 5 foot intervals derived from the 1997 digital terrain model made up of irregularly spaced mass points and breaklines. The contours have a maximum error of less than 2.5 feet for 90% of the features. In NGVD29 vertical datum.
GISMGR.TOPOGRAPHIC\GISMGR.CONTOURS_2FT	CONTOURS_2FT	Line	Contours at 2 foot intervals as derived from 2007 (SE quad) or 2009 (NE & NW quads) digital terrain model made up of irregularly spaced mass points and breaklines. The contours have a maximum error of less than 1 foot for 90% of the features. In NAVD88 vertical datum.

SDE Source	Layer	Type	Description
GISMGR.ENCUMBRANCES\GISMGR.EASEMENTS	EASEMENTS	Polygon	Easements (ex: utility, ingress-egress, conservation, approved flood plain), as captured from recorded plats.
GISMGR.ENCUMBRANCES\GISMGR.FLOOD_PLAIN_RECORDED	FLOOD_PLAIN_RECORDED	Polygon	Depicts the approximate location of the 100 year floodplain easement as shown on record plats. This does not show all floodplains in the County, only ones where studies have been performed and submitted on a recorded plat.
GISMGR.PLANIMETRIC\GISMGR.HYDRO_AREAS	HYDRO_AREAS	Polygon	Lakes, ponds, streams, rivers, ditches, dams, etc. as captured from 1997 aerial imagery.
GISMGR.PLANIMETRIC\GISMGR.HYDRO_AREAS_NEW	HYDRO_AREAS_NEW	Polygon	Lakes, ponds, streams, rivers, ditches, dams, etc. as captured from 2007 (SE quad) or 2009 (NE & NW quads) aerial imagery.
GISMGR.PLANIMETRIC\GISMGR.HYDRO_EDGES	HYDRO_EDGES	Line	Lakes, ponds, streams, rivers, ditches, dams, etc. as captured from 1997 aerial imagery.
GISMGR.PLANIMETRIC\GISMGR.HYDRO_EDGES_NEW	HYDRO_EDGES_NEW	Line	Lakes, ponds, streams, rivers, ditches, dams, etc. as captured from 2007 (SE quad) or 2009 (NE & NW quads) aerial imagery.
GISMGR.PLANIMETRIC\GISMGR.MAJOR_TRANSPORTATION_AREAS	MAJOR_TRANSPORTATION_AREAS	Polygon	Major transportation areas, with attributes that include type (paved road, bridge/overpass, median, unpaved road, etc.) and source data. Data are captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads, 2007 in SE quad and 1997 in the SW quad.
GISMGR.PLANIMETRIC\GISMGR.MAJOR_TRANSPORTATION_EDGES	MAJOR_TRANSPORTATION_EDGES	Line	Major transportation outlines, with attributes that include type (paved road, bridge/overpass, median, unpaved road, etc.) and source data. Data are captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads, 2007 in SE quad and 1997 in the SW quad.
GISMGR.UTILITIES\GISMGR.MAJOR_UTILITY_LOCATIONS	MAJOR_UTILITY_LOCATIONS	Point	Major utility locations, with attributes that include type (communication tower, sewer manhole, transmission tower, water tower).
GISMGR.PLANIMETRIC\GISMGR.MINOR_TRANSPORTATION_AREAS	MINOR_TRANSPORTATION_AREAS	Polygon	Minor transportation areas, with attributes that include type (paved driveway, paved parking lot, paved private road, unpaved shared drive, etc.) and source data. Data are captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads, 2007 in SE quad and 1997 in the SW quad.
GISMGR.PLANIMETRIC\GISMGR.MINOR_TRANSPORTATION_EDGES	MINOR_TRANSPORTATION_EDGES	Line	Minor transportation outlines, with attributes that include type (paved driveway, paved parking lot, paved private road, unpaved shared drive, etc.) and source data. Data are captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads, 2007 in SE quad and 1997 in the SW quad.
GISMGR.ZONING\GISMGR.OVERLAY_DISTRICTS	OVERLAY_DISTRICTS	Polygon	Zoning overlay districts, with attributes that include type (airport noise impact, commercial development, highway corridor, water supply protection, etc.).
GISMGR.PARCELS\GISMGR.PARCELS	PARCELS	Polygon	Properties, with attributes that include: parcel ID number and type (ordinary, condo).
GISMGR.PARCELS\GISMGR.QUESTION_PARCELS	QUESTION_PARCELS	Polygon	Properties that were split but did not go through the subdivision control process.
GISMGR.TRANSPORTATION\GISMGR.RAILROADS	RAILROADS	Line	Railroad lines in and around the county, including metro lines.

SDE Source	Layer	Type	Description
GISMGR.RECREATIONAL_FEATURES	RECREATIONAL_FEATURES	Polygon	Recreational type features that are impervious; includes tennis courts, basketball courts and any other recreational hard surface. Aerial imagery from 2009 was used in NE and NW quads and 2007 in SE quad.
GISMGR.PARCELS\GISMGR.RIGHTSOFWAY	RIGHTSOFWAY	Polygon	Land that is used for transportation purposes, which is not part of a parcel or common area.
GISMGR.PLANIMETRIC\GISMGR.SIDEWALKS	SIDEWALKS	Line	Sidewalk outlines, captured from 1997 aerial imagery.
GISMGR.PLANIMETRIC\GISMGR.SIDEWALKS_CENTERLINE	SIDEWALKS_CENTERLINE	Line	Sidewalk centerlines with attributes for width, captured from 2009 aerial imagery in NE and NW quads and 2007 in SE quad.
GISMGR.PARCELS\GISMGR.SPECIAL_TAX_AREAS	SPECIAL_TAX_AREAS	Polygon	Districts in which additional levies are added to the base tax rate of the assessed value for properties.
GISMGR.TOPOGRAPHIC\GISMGR.SPOT_ELEVATIONS	SPOT_ELEVATIONS	Point	Spot elevations supplement topographic contours and the DTM mass points, generally where exact elevations are needed and in areas of relatively flat terrain where contours are widely placed. Data captured using 1997 stereo models. The spot elevations have a maximum error of less than 1.25 feet for 90% of the features.
GISMGR.TOPOGRAPHIC\GISMGR.SPOT_ELEVATIONS_NEW	SPOT_ELEVATIONS_NEW	Point	Spot elevations supplement topographic contours and the DTM mass points, generally where exact elevations are needed and in areas of relatively flat terrain where contours are widely placed. Aerial imagery from 2009 was used for this process in NE and NW quads and 2007 were used for the process in SE quad. The spot elevations have a maximum error of less than 0.5 feet for 90% of the features.
GISMGR.STORAGE_TANKS	STORAGE_TANKS	Polygon	Large holding tanks for water, gasoline, jet fuel or other such liquids. Data are captured through stereo model extraction. Aerial imagery from 2009 was used for this process in NE and NW quads and 2007 in SE quad.
STWMGR.STW_EASEMENTS\EASEMENTS_POLYGONS	STORMWATER_EASEMENTS	Polygon	Stormwater easements (ex: storm drainage, storm sewer, floodplain) as captured from recorded plats using coordinate geometry (COGO) capture method.
GISMGR.PARCELS\GISMGR.SUBDIVISIONS	SUBDIVISIONS	Polygon	Depict subdivided land areas defined by recorded documents (plats).
GISMGR.REFERENCE\GISMGR.TAX_MAP	TAX_MAP	Polygon	This grid breaks down the county into approximately 444 tiles that are approximately 1 square mile in size. This is the basis for the county's parcel numbering system.
GISMGR.ZONING\GISMGR.WETLANDS	WETLANDS	Polygon	Property with zoning designation of wetland.
GISMGR.ZONING\GISMGR.WETLANDS_EDGES	WETLANDS_EDGES	Line	Property with zoning designation of wetland.
GISMGR.ZONING\GISMGR.ZONING	ZONING	Polygon	Areas to which zoning ordinances apply. Attributes include zoning type (commercial, industrial, residential, etc.) and code (Ex: R-3, C-5).
GISMGR.ZONING\GISMGR.ZONING_CASE_POINTS	ZONING_CASE_POINTS	Point	Zoning case applications through 2000, used to document zoning changes over time for the location identified. Attributes include historical zoning case number.
GISMGR.ZONING\GISMGR.ZONING_CASES	ZONING_CASES	Polygon	Zoning case applications since 2000, used to document zoning changes over time for the location identified. Attributes include zoning case number as well as board decision.

In addition, all the layers available for free download (**http://www.fairfaxcounty.gov/maps/metadata.htm**) are included on the flash drive.

What's NOT included?

- Department of Tax Administration property assessment information.
- Computerized versions of GIS and Mapping wall display maps
- Orthophotography
- Demographic data
- GIS data viewing software
- Annotation

How do I order?

- Complete the Digital Products Order Form and License Agreement (**http://www.fairfaxcounty.gov/maps/forms.htm**)
- Data can be requested by mail, fax, or in person, however, orders will not be processed until payment is received. Acceptable forms of payment include: Cash, Check, or Money Order.
- Once payment is received, the data will be available within 2 business days.
- Any questions should be directed to GIS & Mapping Services at 703-324-2712.

How much does it cost?

The price of the data set is $2,850.00.

How are the data provided?

The data are provided in both **Shapefile** format and Esri **File Geodatabase** format on a USB flash drive.

How do I view the data?

There is no viewing software included with the data. Free viewing software can be downloaded from the Internet by visiting **http://www.esri.com/software/arcexplorer/index.html.**

What datum are Fairfax County GIS layers stored in?

- Horizontal datum: NAD83 (North American Datum 1983); Virginia State Plane North; Units = Feet.
- Vertical datum: 1997 contour data are in NGVD29 (National Geodetic Vertical Datum 1929); 2007 and 2009 data are in NAVD88 (North American Vertical Datum 1988); Units = Feet.

Who do I contact for help using the data?

Questions about using the data with any Esri GIS software may be addressed to the GIS & Mapping office: 703-324-2712.